CRITICAL ITEMS LIST

PROJECT: SRMS
ASS'Y MONERCLATURE: THERMAL SYSTEM

STATEME NECENALICAL ARM SUBSYSTEM SHEET: 1

REF.	REV.	DESIGNATION	FATURE POR AND CAUSE	FAILURE EFFECT ON END ITEM	2/1RAD RATIONALE FOR ACCEPTANCE CRITEGALITY
4530		WEATER DUS/ FUSEB. OFF-2 FOR E/E 5114001470-1	MODE: LOSS OF POWER TO OME OF MEATER GROUPS. CAUSE(S): (1) OPEN WIRE. (2) SHORT CIRCUIT TO GROUND. (3) SHORT CIRCUIT HEATER OR HEATER OR HEATER COMMECTIONS. (4) BLOAM FUSE.	IF FAILED SYSTEM SELECTED. NEATER POWER LOST. ANN MILL CDOL DOWN. JOINT BEARING NAY BIND. (SLUGGISH JOINT) MORST CASE LOSS OF NISSION. SUBSEQUENT FAILURE MAY RESULT IN UNEXPECTED HOTION. SLUGGISH JOINT. UNAMMUNICIATED. REDUNDANT PATHS RENAINING OTHER SYSTEM NEATING GROUP	THE BABIC DESIGN FEATURES, OF THE SRMS BEATERS, ARE IDENTICAL TO THE GROTTER MEATERS DEFINED BY ROCKUELL SPECIFICATIONS NO3AT-0024, -0031, AND -0037. THE SPECIFIC FEATURES FOR SRMS USE (SMAPE, SIZE, CLEMENT RESISTANCE) ARE BEFINED BY SPAR-SB.459/808. COMMECTION, TO THE MEATER ELEMENT, IS BY MEANS OF A PAIR OF REFLOW-INSTRATED WIRES. IN GENERAL, THESE WHRES ARE TERMINATED IN CRIMP-STYLE CONTACTS AND THE CONTACTS ARE INSERTED BY SELVICUS BLOCK CONNECTIONS. MARINE NECESSARY TO TERMINATE A WIRE BENECITY AT A THEOMAL SWITCH, COMMECTIONS ARE MADE BY SOLDER JOINT, ALL SOLDER JOINT, A COMMECT JOINT, A CONTROL OF HUSE BLOCK SPECIFICATION 40M38259. FOR SIMS APPLICATION, DESIGN AND PROCESS INPROVEMENTS MAVE BEEN MEEDINGARY. FUSES USED IN THE BHOULOER FUSE PLUG ASSEMBLES AND THE END CAPS. - CONTROL OF FUSE ELEMENT LEMENT LEMENT AND DISPOSITION WITHIN THE PUSE BLOOT TURE. - CONTROL OF ACEN OF THE FUSE LEMENT AND DISPOSITION WITHIN THE PUSE BLOOT TURE. - CONTROL OF ACEN OF THE FUSE LEMENT AND THE END CAPS. PRIOR TO ASSEMBLY IN THE FUSE PLUG ASSEMBLY, A COMMECT PIN IS SOLDERED TO RACH OF AND LEAD WHREE ARE SLEEVED TO PRECLIDE JOINT, THE FUSE BLOOD PROCESS IS DONT CIRCUITS. FACH FUSE AND ALL SOLDER FOR EACH SOLDER JOINT, THE FUSE PLUG ASSEMBLY INCLUDES AND ALL SOLDER JOINT BARE SUBJECTED TO RADIOGRAPHIC INSPECTION. THE FUSE PLUG ASSEMBLY INCLUDES AND ALLWHIMM POTTING SHELL. FOLLOW HERE AND ALL SOLDERED JOINTS ARE SUBJECTED TO RADIOGRAPHIC INSPECTION.
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PREPARED BY: NEW SUPERCEDING DATE: 18 OCT 68 APPROVED BY: DATE:

CRITICAL ITEMS LIST

PROJECT: SRMS
ASS'Y HOMENCLATURE: THE MALL STRIET

SYSTEM: MECHANICAL ASM SHISTSTEM
ASS'Y P/R: 51141/FRO2/

REF.	REV.	DRAWING REF. DESIGNATION	CAUSE AND CAUSE	FATLUME EFFECT OW END ITEM	WANT / TONC. 2/WAN RATIONALE FOR ACCEPTANCE CRITICALITY
4,330		NEATER BUS/ PINES- 01V-2 FOM E/E 5114001470-1	HODE: LOSS OF POMER TO OME OF MEATER GROUPS. CAUSE(S): (1) OPER UIRE. (2) SHORT CIRCUIT TO OROLIND. (3) SHORT CIRCUIT MEATER OR MEATER COMMECTIONS. (4) BLOAM FUME.	ST FAILED STSTER SELECTED. MEATER POWER LOST. ARM WILL COOL DOWN. JOINT BEARSIG MAY DIND. (SLUGGISH JOINT) WORST CABE LOSS OF MISSION. SUBSEQUENT FAILURE MAY REBULT IN LIMETPECTED MOTION. SLUGGISH JOINT. UNANNUNCIATER. RECUMBANT PATHS REMAINING OTHER SYSTEN HEATING GROUP	OPERATIONAL EFFECIS WONE, ONE JOINT HAY MOVE AT A SLOWER THAN COMMINDED RATE IF A PRIOR FAILURE OF THE HEATER CIRCUIT MAR OCCUMEND. ANN DOES NOT RESPOND CORRECTLY TO COMMINDE. CREW WILL IMMERENTLY COMPENSATE IN MANUAL AMEMINSED NODE. CREW ACKION APPLY BRAKES CREW TRAINING CREW WILL BE TRAINED TO RECOGNIZE IF THE ARM IS RESPONDING CONRECTLY TO COMMINDS. MISSION CONTRAINS OPERATE UNDER VERNIER RATES WITHIN TO FT OF STRUCTURE. AUTO TRAISCORRES MUST BE DESIGNED TO COME NO CLOSE THAN 5 FT FROM STRUCTURE. THE OPERATOR MUST BE ABLE TO DETECT THAT THE ARM IS RESPONDING PROPERTY TO COMMINDS VIA WINDOW AMO/OR CUTV VIEWS DURING ALL ARM OPERATIONS. NOTH HEATER POWER BUSSES TO BE IN AUTO WHEN OPERATING ARM. SCREEN FAILURES A: INDEPENDENT THERMOSTATS ARE NOT ACCESSIBLE ARE NOT INSTRUMENTED AND THE REDUNDANT ELEMENTS ARE STILL OPERABLE. D: REDUNDANT ELEMENTS ADE STILL OPERABLE. OMESD OFFLINE PARTAL CHECK WITH ELBOW DEMATED. CHERD ONLINE INSTALLATION MONE OWASD ONLINE TURNAROUND

PREPARED BY: MFWG

SUPERCEDING DATE: 18 OCT 88